Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/08/2019 02:54 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123366	-2	2.46	123450	2.48
Blue	F	SSC	125000	124031	-1	2.92	124805	2.89
Blue	E	FITC	16433	15981	-3	3.06	348	19.56
Blue	D	PE	27595	27152	-2	2.39	589	14.16
Blue	B	PerCP-Cy5-5	43183	42596	-2	3.91	1146	19.35
Blue	A	PE-Cy7	31943	31643	-1	6.02	613	39.03
Red	C	APC	42819	42276	-2	2.58	1493	12.17
Red	A	APC-Cy7	31261	30452	-3	2.51	818	11.73
Violet	B	V450	6527	6200	-6	4.18	348	12.87
Violet	A	V500	24533	23787	-4	3.87	555	10.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17764	7.62	607	7	N/A	N/A	Pass
Blue	F	SSC	56486	2.35	549	1	N/A	N/A	Pass
Blue	E	FITC	62	63.54	538	-1	0.0213	117	Pass
Blue	D	PE	124	47.65	534	0	0.1856	285	Pass
Blue	B	PerCP-Cy5-5	213	47.36	643	1	0.0102	68	Pass
Blue	A	PE-Cy7	115	95.04	691	2	0.0117	12	Pass
Red	C	APC	355	24.55	582	-1	0.0238	66	Pass
Red	A	APC-Cy7	182	27.74	561	-2	0.0057	872	Pass
Violet	B	V450	53	59.30	447	-8	0.0574	2331	Pass
Violet	A	V500	83	32.76	460	-7	0.0225	652	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/08/2019 02:54 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.77	-32.53	0.98
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.48
Red	17.42	13.60 - 20.40	N/A	N/A	30.36	30.62	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9975

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments